

13281 U.S. PTO  
08/18/03

**HUNTON &  
WILLIAMS**

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03915 U.S. PTO  
10/642272  
08/18/03

August 18, 2003

**UTILITY PATENT APPLICATION TRANSMITTAL**

Attorney Docket Number: **58777.000012**

First Named Inventor: **Fumiyuki HATTORI, et al.**

Title: **THERAPEUTIC METHODS AND AGENTS FOR DISEASES ASSOCIATED WITH  
DECREASED EXPRESSION OF AOP-1 GENE OR AOP-1**

TO: **Mail Stop Patent Application**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

The PTO did not receive the following  
listed item(s) 59 PAGES OF  
SPECIFICATION BUT 58

Sir:

Attached are the following for filing with the U.S. Patent and Trademark Office:

1. ☒ Fee Transmittal Form (original and duplicate)
2. ☐ Small Entity Status Claimed: ☐ Independent Inventor  
☐ Small Business Concern  
☐ Non-Profit Organization
- ☐ Statement Enclosed
- ☐ Statement Filed in Prior Application; Status Still Proper and Desired
3. ☒ Specification - Total Pages: 59 (Including Abstract)

CLAIMS AS FILED						
	Claims Filed	Basic Fee Claims	Extra	Rate		Amount
				Large Entity	Small Entity	
Total Claims	32	20	12	\$ 18.00	\$ 9.00	\$216.00
Independent Claims	8	3	5	\$ 84.00	\$ 42.00	\$420.00
First Presentation of Multiple Dependent Claims				\$ 280.00	\$ 140.00	\$0.00
BASIC FEE				\$ 750.00	\$ 375.00	\$750.00
TOTAL FILING FEE						\$0.00
Assignment Recordation Fee						\$0.00
TOTAL AMOUNT ENCLOSED						\$1,386.00

4. ☒ Drawings - Total Sheets: 23 (Fig(s). 1-15c)

**BOX PATENT APPLICATION**

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5. Oath or Declaration - Total Pages: 3
- a. ☒ Newly executed (original or copy)  
☐ New (unexecuted)
- b. ☐ Copy from a prior application  
(for continuation/divisional with Box 18 completed)
- i. ☐ DELETION OF INVENTOR(s):  
Signed statement attached deleting inventor(s) named in prior application.
6. ☒ Application Data Sheet
7. ☐ CD-ROM or CD-R in duplicate, large table or Microfiche Computer Program (Appendix)
8. ☒ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- a. ☒ Computer Readable Form (CRF)
- b. ☒ Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (two copies); or
- ii. ☒ Paper Copy (identical to computer copy)
- c. ☒ Statement verifying identity of above copy
9. ☒ Assignee/Applicant: DAIICHI SUNTORY PHARMA CO., LTD.  
5-7-2, Kojimachi, Chiyoda-ku,  
Tokyo 102-0083 JAPAN
- DAIICHI SUNTORY BIOMEDICAL  
RESEARCH, LTD.  
1-1-1, Wakayamadai, Shimamoto-cho,  
Mishima-gun, Osaka, 618-8503 JAPAN

**BOX PATENT APPLICATION**

August 18, 2003

Page 3

☐ Assignee of Record in Prior Application No. \_\_\_\_\_ :

\_\_\_\_\_  
\_\_\_\_\_

recorded on \_\_\_\_\_ at Reel \_\_\_\_\_, Frame \_\_\_\_\_.

10. ☐ 37 C.F.R. 3.73(b) Statement ☐ Power of Attorney

11. ☐ English Translation Document (if applicable)

12. ☐ Information Disclosure Statement with PTO-1449 and References

☐ Copies of Information Disclosure Statement Citations

13. ☐ Preliminary Amendment

14. ☒ Return Receipt Postcard

15. ☒ Priority is Claimed as Follows:

**PCT/JP02/01358 filed on February 18, 2002**

**Japanese Application No. 41003/2001 filed on February 16, 2001**

☐ If Foreign Priority is Claimed, Certified Copy of the Above Priority Document(s) is Submitted Herewith

16. ☐ Nonpublication Request under 35 U.S.C. § 1222(b)(2)(B)(i). Applicant must attach Form PTO/SB/35 or its equivalent.

17. ☐ Other: \_\_\_\_\_

18. ☒ Continuation ☐ Divisional ☐ Continuation-in-Part of  
Prior Application No.: **PCT/JP02/01358** filed **February 18, 2002**

Prior application information: Examiner \_\_\_\_\_ Group Art Unit \_\_\_\_\_

☐ Incorporation By Reference (useable if Box 5b is marked)

The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered as being part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon

**BOX PATENT APPLICATION**

August 18, 2003

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when a portion has been inadvertently omitted from the submitted application papers.

☐ Complete Application Based on Provisional Application No.: \_\_\_\_\_  
filed \_\_\_\_\_

19. Please address all correspondence to:

☒ **CUSTOMER NUMBER** 21967

☒ **Robert M. Schulman**  
Intellectual Property Department  
Hunton & Williams LLP  
1900 K Street, N.W.  
Suite 1200  
Washington, DC 20006-1109

20. ☒ A new power of attorney or authorization of agent (PTO/SB/81) is as follows:

☐ The power of attorney is to: Stanislaus Aksman, Reg. No. 28,562; Jennifer A. Albert, Reg. No. 32,012; Thomas E. Anderson, Reg. No. 37,063; David E. Baker, Reg. No. 42,285; Scott D. Balderston, Reg. No. 35,436; Carl L. Benson, Reg. No. 38,378; Thomas Blasey, Reg. No. 33,475; Bradford Blaise, Reg. No. 47,429; Thomas D. Bradshaw, Reg. No. 51,492; J. Robert Brown, Jr., Reg. No. 45,438; Tyler S. Brown, Reg. No. 36,465; Brian M. Buroker, Reg. No. 39,125; Christopher C. Campbell, Reg. No. 37,291; Katherine S. Chang, Reg. No. 40,544; Robin C. Clark, Reg. No. 40,956; Trevor Q. Coddington, Reg. No. 46,633; Christopher J. Cuneo, Reg. No. 42,450; Ryan S. Davidson, Reg. No. 51,596; Patrick A. Doody, Reg. No. 35,022; Dinnatia J. Doster, Reg. No. 45,268; Kevin T. Duncan, Reg. No. 41,495; Kevin J. Dunleavy, Reg. No. 32,024; David D'Zurilla, Reg. No. 36,776; Ozzie A. Farres, Reg. No. 43,606; Nancy J. Flint, Reg. No. 46,704; Christopher J. Forstner, Reg. No. 46,049; James G. Gatto, Reg. No. 32,694; George Georgellis, Reg. No. 43,632; Charles F. Hollis, III, Reg. No. 40,650; David M. Huntley, Reg. No. 40,309; Nancy J. Jensen, Reg. No. 45,913; Herbert V. Kerner, Reg. No. 42,721; Steven P. Klocinski, Reg. No. 39,251; Robert C. Lampe, III, Reg. No. 51,914; Jonathan D. Link, Reg. No. 41,548; Charles B. Lobsenz, Reg. No. 37,857; Tyler Maddry, Reg. No. 40,074; J. Michael Martinez, Reg. No. 37,178; David H. Milligan, Reg. No. 42,893; James R. Miner, Reg. No. 40,444; Bryan F. Moore, Reg. No. 52,044; Devin S. Morgan, Reg. No. 45,562; Kerry H. Owens, Reg.

**BOX PATENT APPLICATION**

August 18, 2003

Page 5

No. 37,412; Jeffrey T. Perez, Reg. No. 52,110; Michael P.F. Phelps, Reg. No. 48,654; John P. Pinkerton, Reg. No. 28,746; Laurence H. Posorske, Reg. No. 34,698; Matthew J. Pryor, Reg. No. 45,278; Andrew J. Ririe, Reg. No. 45,597; Stephen T. Schreiner, Reg. No. 43,097; Robert M. Schulman, Reg. No. 31,196; Thomas J. Scott, Jr., Reg. No. 27,836; Yisun Song, Reg. No. 44,487; Shelley L. Spalding, Reg. No. 51,971; Henry C. Su, Reg. No. 37,738; Rodger L. Tate, Reg. No. 27,399; Raphael A. Valencia, Reg. No. 43,216; René Vazquez, Reg. No. 38,647; Samson Vermont, Reg. No. 42,202; Robert J. Ward, Reg. No. 28,746; and Scott F. Yarnell, Reg. No. 45,245.

☐ Please remove as power of attorney: Scott D. Balderston, Reg. No. 35,436; Thomas Blasey, Reg. No. 33,475; Bradford Blaise, Reg. No. 47,429; Tyler S. Brown, Reg. No. 36,465; Dinnatia J. Doster, Reg. No. 45,268; Kevin J. Dunleavy, Reg. No. 32,024; David D'Zurilla, Reg. No. 36,776; James G. Gatto, Reg. No. 32,694; George Georgellis, Reg. No. 43,632; David M. Huntley, Reg. No. 40,309; Steven P. Klocinski, Reg. No. 39,251; Charles B. Lobsenz, Reg. No. 37,857; Devin S. Morgan, Reg. No. 45,562; Kerry H. Owens, Reg. No. 37,412; Matthew J. Pryor, Reg. No. 45,278; Stuart I. Smith, Reg. No. 42,159; Henry C. Su, Reg. No. 37,738; Raphael A. Valencia, Reg. No. 43,216; and René Vazquez, Reg. No. 38,647.

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## BOX PATENT APPLICATION

August 18, 2003

Page 6

Samson Vermont, Reg. No. 42,202; Robert J. Ward, Reg. No. 28,746; and  
Scott F. Yarnell, Reg. No. 45,245.

21. ☒ A check in the amount of \$ 1,386.00 is enclosed. In the event  
any variance exists between the amount enclosed and the Patent Office charges,  
please charge or credit any such variance to **Deposit Account No. 50-0206**.
- ☒ The U.S. Patent and Trademark Office is hereby authorized to charge any  
variance between the amount enclosed and the Patent Office charges to **Deposit  
Account No. 50-0206**

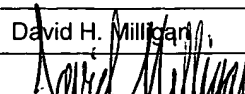
Respectfully submitted,

By:



David H. Milligan  
Registration No. 42,893

DHM/cbt  
Enclosures

<b>FEE TRANSMITTAL</b>  <b>BOX PATENT APPLICATION</b>		<i>Complete If Known</i>																																									
		Application No.		To Be Assigned																																							
		Filing Date		August 18, 2003																																							
		First Named Inventor		Fumiyuki HATTORI																																							
		Examiner Name		To Be Assigned																																							
		Group Art Unit		To Be Assigned																																							
Total Amount Of Payment (\$)		1,386.00		Attorney Docket No. 58777.000012																																							
<b>METHOD OF PAYMENT (check one)</b>			<b>FEE CALCULATION (continued)</b>																																								
1. <input type="checkbox"/> The Director of the United States Patent and Trademark Office is hereby authorized to charge indicated fees and credit any over payments to <b>Deposit Account No. 50-0206</b> in the name of Hunton & Williams.			3. <b>ADDITIONAL FEES</b> <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Fee Description</th> <th style="text-align: right;">Fee Paid</th> </tr> <tr><td><input type="checkbox"/> Surcharge - late filing fee or oath</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Surcharge - late provisional filing fee or cover sheet</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> -Month Extension of Time</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Notice of Appeal</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Filing Brief in Support of Appeal</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Request for Oral Hearing</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Utility Issue Fee (or Reissue) (including Publication Fee, if necessary)</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Design Issue Fee</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Plant Issue Fee</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Petition to Commissioner</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Petition to Revive (Unavoidable)</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Petition to Revive (Unintentional)</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Petitions Related to Provisional Applications</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Submission of Information Disclosure Statement</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Filing Submission After Final Rejection</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Recording Each Patent Assignment Per Property</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Filing Request for Reexamination</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Other (specify) _____</td><td style="text-align: right;">\$</td></tr> </table>			Fee Description	Fee Paid	<input type="checkbox"/> Surcharge - late filing fee or oath	\$	<input type="checkbox"/> Surcharge - late provisional filing fee or cover sheet	\$	<input type="checkbox"/> -Month Extension of Time	\$	<input type="checkbox"/> Notice of Appeal	\$	<input type="checkbox"/> Filing Brief in Support of Appeal	\$	<input type="checkbox"/> Request for Oral Hearing	\$	<input type="checkbox"/> Utility Issue Fee (or Reissue) (including Publication Fee, if necessary)	\$	<input type="checkbox"/> Design Issue Fee	\$	<input type="checkbox"/> Plant Issue Fee	\$	<input type="checkbox"/> Petition to Commissioner	\$	<input type="checkbox"/> Petition to Revive (Unavoidable)	\$	<input type="checkbox"/> Petition to Revive (Unintentional)	\$	<input type="checkbox"/> Petitions Related to Provisional Applications	\$	<input type="checkbox"/> Submission of Information Disclosure Statement	\$	<input type="checkbox"/> Filing Submission After Final Rejection	\$	<input type="checkbox"/> Recording Each Patent Assignment Per Property	\$	<input type="checkbox"/> Filing Request for Reexamination	\$	<input type="checkbox"/> Other (specify) _____	\$
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Typed or Printed Name	David H. Milligan			Registration No.	42,893																																						
Signature				Date	August 18, 2003																																						